1 Purpose

Purpose of this package is to emulate appearance of the document written on classical typewriter as much as possible. So far, whenever backward requirement of some institutions (especially universities) to provide paper or thesis in the layout developed in times before personal computers emerges on any TeX-related public forum, it is met with strong (and sometimes even angry) resistance and many advise how to overcome resistance of the institution. I totally agree with the basic premise of this attempt (of course, TeX was created for making “masterpieces of typography” not to emulate typewriters).

Having said that, this package goes exactly in the opposite direction than these people advise. Instead of trying to avoid typewriter-driven layout, it tries to emulate it as much as possible. Of course, the most important motivation for such package is challenge and curiosity how far I can get using just TeX tools in this endeavor. However, there are also some real reasons why this package might be useful. First of all there are situations when the directives of backward layout are non-negotiable (e.g., in commercial setting or with too stiff university). Moreover, my conciliatory character leads me more to honor other cultures (and although very short-lived and feeble, there was a typographical culture of typewriters) rather then rejecting them. Actually, during work on this package my appreciation of strict puritanical simplicity of typewriters just grew (and of course, it is obvious that in some aspects typesetting documents with this package would create documents of the quality never possible with a real typewriter—just TeX’s optimal line breaking with few divided words makes a lot of difference).

If you like it, enjoy! If not, sorry, just use another package.

Another objective was to secure compatibility both with classical article-like packages as well as with packages from Koma-script family.
2 The Coding

\newif{\ifMS@ps}

\DeclareOption{\ifMS@ps}{false}
\DeclareOption{\ifMS@ps}{true}
\ExecuteOptions{\ifMS@ps}{true}
\ProcessOptions{\relax}

We need to read some additional packages which are needed for good working of the package: \texttt{setspace} because whole document should be doublespaced (except for footnotes etc.), \texttt{fontenc} because we should be able to print all European characters (it could be redefined in the document itself after loading \texttt{manuscript} package, and \texttt{ragged2e} because of linebreaking and ragged justification.

\RequirePackage{setspace}
\RequirePackage[T1]{fontenc}
\RequirePackage[NewCommands]{ragged2e}
\RequirePackage{soul}

\rmdefault

\ifMS@ps
\renewcommand{\rmdefault}{pcr}
\else
\renewcommand{\rmdefault}{cmtt}
\fi

\descfont
\sectfont

There is no bold in \texttt{cmtt}, so that I redefine also some fonts—usefull only for \texttt{koma-script} package, because I do not care too much for \texttt{article} :-).

\if\ifundefined{\scshape}{\%}
\renewcommand{\descfont}{\scshape}
\renewcommand{\sectfont}{\large\scshape} \\
\fi

\MS@ps* This is the most obscure part of the package.\textsuperscript{1} There are no problems with \texttt{Courier} font, but \texttt{cmtt} does not have some characters needed for normal writing—especially quotes. We have to change catcode of , and ' characters and redefine couples of these characters to be printed in \texttt{cmss} font in the Old Knuth's coding OT1.

\textsuperscript{1}I have recieved substantial help with the deep \TeX{} work from Ondřej “Koala” Vácha. Thank you.
Moreover, and it was the bug in the previous version, we have to distinguish between single quote and double quote, where each of them should be printed as different character. Now, it is getting to be really messy :-).
If the idea of the whole package is to emulate typewriter style, then we have to do something about footnotes. There is obviously nothing like superscripted footnote mark on typewriters. Moreover, I have also changed indentation of the body of footnote.

The standard titlehead of the document is really ugly when doublespaced. Therefore we should redefine \@maketitle macro. However, the trick below (creation of new macro which envelopes the original macro) is better, because it is compatible both with standard article-like classes and koma-script family. Redefinition of \huge is a kind of ugly hack, but it should be enough robust and simple to be OK.

\let\MS@maketitle=\@maketitle
\def\@maketitle{% hyphenpenalty=5000 \let\huge\LARGE \MS@maketitle }
\else
\def\@maketitle{% singlespacing hyphenpenalty=5000 \let\huge\LARGE \MS@maketitle }
\fi

That's all folks! :-)

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols
\@makefntext \@maketitle \@arabic \@thefnmark
\apos \apos \apos \apos
B

4
5
Change History

1.0  General: Initial version  ............ 1

1.2  General:  \fileversion  and
     \filedate  which does not seem
to work at all being replaced by
\RCS  command from rcs pack-
age.  ...................... 1

1.4  General:  With help of Stepan Kasal
         (stepan at matsrv dot mat dot
cas dot cz)  I have managed to
         get \fileversion  working, so I
         have get rid off rcs.sty again.  1

1.5  \@makefntext:  Whole redefinition
     of footnotes added.  ............ 4

1.6  General:  Some typos corrected.  1

1.7  General:  New upload to CTAN and
         fix \TeX  logo  ............... 1

1.8  \sectfont:  Courier is better, so
     that this hack is better to be
     used only for cmfont.  .......... 2